

JOB NO: 7-5109
ETT 114

BASF
7/5/96

HER 01468

The logo for Smead, featuring the word "Smead" in a stylized font with three vertical bars to the left.



HER 01469

HERCULES

MARINE SERVICES CORPORATION

P. O. Drawer O • Freeport, Texas 77541

INVOICE NO. : 3474
DATE : July 31, 1996
Job No. : 7-5109
Location : Freeport, TX

TO: BASF
607 Copper Road
Freeport, TX 77541

PLEASE REMIT PAYMENTS TO:
11011 RICHMOND
SUITE 500
HOUSTON, TX. 77042

Terms : Net 30

FOR:

Service to the ETT 114 as follows:

Set up equipment
Strip out all free product
Cold water wash
Hot water wash
Blow cargo pipeline and stripping system
Vacuum blow dry cargo tanks
Sweep powder rust from cargo tank floor
Pressure test cargo pipeline 40 PSI
Clean off deck
Remove equipment
Close Barge

LABOR:	Leadman	8 hr.	@	49.50 (O/T)	396.00
	Journeyman	40 hr.	@	45.75 (O/T)	1,830.00
DISPOSAL:	Water	3,000 gal	@	0.35/gal	1,050.00
STOCK:	31.05	Plus 25%	=	7.76	38.81
EQUIPMENT:	Compressor	8	@	48.00	384.00
	Air Movers	32	@	5.00	160.00
	Steam Rig	4	@	100.00	400.00
	Vacuum	4	@	30.00	120.00
	Hand Hose	4	@	12.00	48.00
	2" Strip Pump	4	@	15.00	60.00
	Butterworth	8	@	10.00	80.00

TOTAL AMOUNT DUE \$4,556.81

PHONE: (409) 233-6371

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Strength through Experience, Equipment, Know-How

Job Workscope/Breakdown

Job No: 7-5109 Date: 7/5/96 Invoice Number: 3474
 Customer: BASF Barge/M/V: ETT 114

Foreman:	S/T		@	38.00	
	O/T		@	53.25	
Leadman:	S/T		@	35.00	
	O/T	<u>8</u>	@	49.50	<u>396.00</u>
Journeyman:	S/T		@	32.50	
	O/T	<u>40</u>	@	45.75	<u>1,830.00</u>
Disposal:	Slop Oil		@	0.60	
	Water	<u>3,000</u>	@	0.35	<u>1,050.00</u>
Water:			@	5.00/1,000 gal	
Material:			Plus 25%		
Stock:	<u>31.05</u>		Plus 25%	<u>7.76</u>	<u>38.81</u>
Chemist:			Plus 25%		
Equipment:	Compressor	<u>8</u>	@	48.00	<u>384.00</u>
	Air Movers	<u>32</u>	@	5.00	<u>160.00</u>
	Forklift		@	30.00	
	Tugboat		@	100.00	
	Steam Rig	<u>4</u>	@	100.00	<u>400.00</u>
	Vacuum	<u>4</u>	@	30.00	<u>120.00</u>
	Hand Hose	<u>4</u>	@	12.00	<u>48.00</u>
	Weld Machine		@	15.00	
	Cherry Picker		@	70.00	
	Crane		@	130.00	
	3" Gas Pump		@	18.00	
	2" Strip Pump	<u>4</u>	@	15.00	<u>60.00</u>
	Butterworth	<u>8</u>	@	10.00	<u>80.00</u>
	4" Elec. Pump		@	15.00	
	Cutting Rig		@	8.00	
	Haul Out		@	1,100.00	
	Truck		@	25.00	
	Hand Tools		@	10.00	

Total Invoice:

\$ 4,566.81

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Stock Use Breakdown

Job No: 7-5109 Customer: BASF Barge: ETT 114

<u>3</u> Coveralls	@	2.85	<u>8.55</u>
<u>2</u> Batteries	@	2.25	<u>4.50</u>
<u>3</u> Respirator Filters	@	6.00	<u>18.00</u>
<u> </u> Gloves	@	1.75	<u> </u>
<u> </u> Flashlights	@	12.00	<u> </u>
<u> </u> Gaskets	@	6.00	<u> </u>
<u> </u> Goggles	@	2.95	<u> </u>
<u> </u> Boots	@	9.00	<u> </u>
<u> </u> Raincoats	@	36.65	<u> </u>

Total

31.05

Plus 25%

7.76

Charge Customer

38.81

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DAILY TIME LOG

DATE:	7-5-96	CUSTOMER:	BASE
JOB NO:		BARGE:	ETT=114

START TIME 7:00 AM

STOP TIME 3:30 PM

NAME	HOURS	TOTAL HOURS	NAME	HOURS	TOTAL HOURS
Lucas	8				
Joe	8				
Chris	8				
Lucia	8				
Lazaro	8				
Sam	8				

MATERIAL LIST:

Three pair Respirator Filters, Three White Paper Coveralls
Two Flashlight Batteries.

JOB DESCRIPTION:

Cold Water Wash / Hot Water Wash and Blow Dry

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MARINE SERVICES CORPORATION

*Strength through environmental awareness and customer service*P.O. Drawer Q
Freeport, Texas 77541Office (409) 233-6371
Fax: (409) 233-6375

EQUIPMENT	HOURS USED	HOURLY RATE	TOTAL PRICE
COMPRESSOR	8	44.00	
SHOVLERS	32	5.00	
CRUM	4	20.00	
CHISEL	4	80.00	
WELD HOSE	4	10.00	
WATERWORTH		10.00	
STEEL PUMP	4	12.00	
DIESEL PUMP		14.00	
ELECT PUMP		15.00	
		130.00	
HYDRA PICKER		50.00	
WRECK LIFT		20.00	
BOAT		80.00	
		15.00	
WELD MACHINE		15.00	
STEERING RIG		8.00	
WELD BARGE		35.00	
WELD BOLT		1100.00	

DATE: 7-3-96 JOB NO: 3472 BARGE NAME: FT-114**HER 01474**



P.O. Drawer 0
Freeport, Texas 77541
Direct: (409) 233-6371
Fax: (409) 233-6375

FINAL CHECK LIST

DATE: 2-3-94

LARGE: ETT-114

NUMBER CHECKED 2 REPLACED GASKET YES NO ✓
GATE VALVE NUMBER CHECKED 5 REPLACED GASKET YES NO ✓
PLUGS NUMBER CHECKED 1 REPLACED PLUG YES NO ✓
CHECK VALVE NUMBER CHECKED N/A REPLACED GASKET YES NO
BREEPWEILL BLIND NUMBER CHECKED N/A REPLACED GASKET YES NO

BLOW DECK CARCO PIPELINE BLIND NUMBER 2 REPLACED GASKET YES NO

BLOW DECK CARCO PIPELINE BLIND REMOVED YES ✓ NO

DIP PANS VALVES: CLOSED BY SAN

DIP PANS COVER: CLOSED BY N/A

CONTAINMENT AREA PLUG OR VALVES: CLOSED BY Lucid

AIR TEST CARCO LINE - 40psi - USING SOAP

SIGNATURE OF TESTER: Alan Rivers

WITNESS: Steve Wilson

CHECK VALVE GASKET WILL BE REPLACED

AIR TEST IS LAST THING TO BE DONE BEFORE REPLACING LARGE.

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Barge Cleaning Report

JOB NO 2-5109 ETA _____
BARGE NO ETT 114 DATE/TIME ARRIVAL _____
CUSTOMER BASF DATE/TIME START 7-5-96 / 7:00
PRODUCT E-Caprolactum DATE/TIME COMPLETE _____

AMOUNT STRIPPED _____

CLEANING INST. BY Robert Peters COMPLETION SCH. BY _____ OVERTIME AUTH. BY _____

BARGE INSP. BY _____ DATE/TIME _____ RELEASED TO Brown Canal DATE/TIME _____

Screen trap
DEEPWELL OPENED: YES ☒ NO ☐ CLOSED BY _____ NEW GASKET: YES ☐ NO ☐

BELOW DECK CARGO PIPELINE:

BLIND OPENED: YES N/A NO ☐ CLOSED BY _____ NEW GASKET: YES ☐ NO ☐

Close System
DECK CHECK VALVE OPENED: YES ☐ NO ☐ CLOSED BY _____ NEW GASKET: YES ☐ NO ☐

DECK HEADER BLINDS OPENED: YES ☒ NO ☐ INSECTED BY CALEB BRETT OK

DECK HEADER DRAIN PLUG OPENED: YES ☒ NO ☐ CLOSED BY _____

VAPOR RECOVERY HEADER OPENED: YES ☒ NO ☐ CLOSED BY _____ NEW GASKET: YES ☐ NO ☐

RUST SCALE: YES ☐ NO ☒ WASHED OUT _____ BUCKETED OUT _____

NUMBER OF CARGO TANKS 3 CONDITION OF CARGO VALVES Good

SLOP TANK STRIPPED: N/A YES ☐ NO ☐ DRIP PANS STRIPPED: YES ☒ NO ☐

WEATHER: TEMP 90° RAIN ☐ FOG ☐ HUMIDITY ☐ OVERCAST ☐ CLOUDY ☐ CLEAR ☒

PIPELINE WASHED: YES ☒ NO ☐ PIPELINE BLOWN: YES ☒ NO ☐ INSPECTED BY CALEB BRETT OK

BOW RAKE CHECKED: YES ☒ NO ☐ STERN ^{Box} RAKE CHECKED: YES ☒ NO ☐

VOIDS: YES ☒ NO ☐ SAFETY EQUIPMENT USED: ☒

SUMPS INSPECTED: ☒

NOTICE

All barges cleaned for BASF will be inspected by Caleb Brett. The inspector will have paperwork for the Hercules foreman in charge to sign. The foreman will put two copies in the document mail box. One copy will stay in the mailbox, and the captain of the tugboat that is picking up the barge will not be called until inspection is completed and documentation is in the mailbox. If any problems, BASF logistics representative must be contacted.

Date Inspected 7/5/96 Time in: 1445 Time out: 1510

Inspected By: Ashley Dewdney
Caleb Brett

NO BASF BARGE THAT HAS BEEN CLEANED WILL BE RELEASED UNTIL CALEB BRETT HAS SIGNED THE RELEASE PAPERS. CALEB BRETT WILL BE GIVEN A COPY OF THIS FORM.

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Inchcape Testing Services

Caleb Brett

VISUAL TANK INSPECTION REPORT

YOUR REFERENCE
OUR REFERENCE

VESSEL ETT-114	PRODUCT / CARGO N/A	PORT / TERMINAL Hercules	DATE 7-5-96
--------------------------	-------------------------------	------------------------------------	-----------------------

Tank Number	1, 2, 3 c						
Tank Coating	N/A						
Last Cargo	Capro						
Second Last Cargo	—						
Third Last Cargo	—						
Time/Date Inspected	1455/7-5-96						
Visual Cleanliness Accepted/Rejected*	Accepted						
Reason for Rejection	—						

Method said to have been used to clean tanks:	TK#	Hot & cold water work. Washed Pipeline w/ cold water for 1 hour.
	TK#	Washed cargo tank with 30 min. each. repeated process w/ hot water for
	TK#	Pipeline (1 hour) & cargo tanks (30 min. each). Blow dry pipeline for 15 min.
	TK#	Blow dried cargo tanks for 45 min. per tank.
	TK#	Hot water temp. 180°-200° for pipeline
	TK#	160°-180° for cargo tanks.
	TK#	

Information regarding previous cargoes, tank coating and cleaning method was obtained from vessel personnel and cannot be guaranteed as accurate by Caleb Brett U.S.A., Inc. and no liability can be assumed for errors resulting from improper information supplied. This report, of necessity, is based on such information.

- The cleanliness of inspected tank(s) is/are based on visual inspection of tank surfaces and line system at accessible areas only. This document does not cover the cleanliness of tank surfaces and line system at inaccessible spots and/or possible release of components of previous cargoes during loading, discharge or transport of the cargo in question, for which the vessel is fully responsible. Suitability of tank coating for intended cargo must be guaranteed by vessel's owner or by suppliers of the coating.

V. L. Rivera

Arthur Dampson
FOR CALEB BRETT

HAZARDOUS COMMUNICATION STANDARD

OSHA 1910.1200

EMPLOYEE HAZARDOUS MATERIALS TRAINING PROGRAM

Date 7-5-96

Plant Hercules Marine

Area Gas Free Deck

ETR 114

Supervisor Larry Ballinger

Clients Safety 7

The following listed materials are considered to be hazardous to the employee working in this area:

E-Caprolactum

The employees assigned to work in this area have been informed of the hazardous materials in this area, the hazards they present to the workers, the location of hazards listed, the protective equipment that has been provided and where it is located, and procedures to be followed in case of an accidental exposure. I have received the training listed above and will so designate by signing this form.

NAME	BADGE	NAME	BADGE
<u>R.S. Pettit</u>	<u>08</u>		
<u>Gregory Gurr</u>			
<u>L. J. Turner</u>	<u>70</u>		
<u>William M. White</u>			
<u>Joseph A. Casper</u>			
<u>Joe T. O'Leary</u>	<u>60</u>		

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Material Safety Data Sheet

PRELIMINARY VERSION**Page : 1**

BASF CORPORATION
3000 CONTINENTAL DRIVE NORTH
MT. OLIVE, NJ 07828
(201) 426-4671

Original Date: 09/15/1995

Emergency Telephone: (800) 424-9300 (CHEMTREC)
(800) 832-HELP (BASF Hotline)

BOTH NUMBERS ARE AVAILABLE DAYS, NIGHTS, WEEKENDS, & HOLIDAYS.

SECTION 1 - PRODUCT INFORMATION

CAPROLACTAM EXTRACT SOLUTION**Product ID: KFF 526320****Common Chemical Name:****E-Caprolactam****Synonyms:****2H-Azepin-7-one, hexahydro-2-Oxohexamethylenimine****Molecular Formula:****C(6)H(11)NO (PURE CAPROLACTAM)****Chemical Family: Amide****Molecular Wt.: 113.2**

SECTION 2 - INGREDIENTS

Chemical Name:	CAS	Amount
WATER	7732-18-5	20.0 %
2H-AZEPIN-2-ONE, HEXAHYDR	105-60-2	80.0 %
ACGIH TLV	STEL 3 MG/CU. M	
	TWA 1 MG/CU. M	
OSHA PEL	STEL 46 PPM	
	TWA 23 PPM	

SECTION 3 - PHYSICAL PROPERTIES

Color: Clear
Form/Appearance: Liquid
Odor: Putrid
Odor Intensity: Strong

	Typical	Low/High	U.O.M.
Specific Gravity:	1.056		
pH:	NOT AVAILABLE		

	Typical	Low/High	Deg.	@	Pressure
Boiling Pt:		69 - 268	C	760	MM HG
Freezing Pt:	7		C	760	MM HG
Decomp. Temp:	NOT AVAILABLE				
Solubility in Water Description:	Miscible				
Vapor Pressure:	6	MM HG		@	120 DEG. C

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SECTION 3 - PHYSICAL PROPERTIES (cont)

	Typical	Low/High	U.O.M.	@ Temperature
Vapor Density (Air = 1):	3.9			
Evaporation Rate Std.:	AIR			

SECTION 4 - FIRE AND EXPLOSION DATA

	Typical	Low/High	Deg.	Method
Flash Point:	139.2			C TAG CLOSED CUP
Autoignition:	375			C NOT SPECIFIED
Flam. Limits:		1.5 - 8	%	

Extinguishing Media:

Use water fog, foam, CO2 or dry chemical extinguishing media.

Fire Fighting Procedures:

Firefighters should be equipped with self-contained breathing apparatus and turn out gear.

Unusual Hazards:

When heated to decomposition; hydrogen cyanide, carbon monoxide, and ammonia may be emitted.

SECTION 5 - HEALTH EFFECTS

Routes of entry for solids and liquids include eye and skin contact, ingestion and inhalation. Routes of entry for gases include inhalation and eye contact. Skin contact may be a route of entry for liquified gases.

Toxicology Test Data:

Rat, Oral LD50 - 1660 MG/KG

Moderately Toxic

Rat, Oral LD50 - 8.2 MG/KG

Extremely Toxic

Rat, Dermal LD50 - > 2000 MG/KG

Slightly Toxic

Acute Overexposure Effects:

Contact with the eyes can result in irritation and possible corneal damage. Prolonged or repeated skin contact can result in contact dermatitis and eczema.

Workers who were exposed to caprolactam vapors have complained of nervousness, heartburn, a heavy feeling in the stomach, stuffy nose and head, nosebleeds, a bitter taste, and dry, splitting lips and nose. Acute overexposure to caprolactam may cause CNS effects, including respiratory stimulation, mild circulatory depression, and convulsions.

Chronic Overexposure Effects:

Animal studies indicate that caprolactam may affect the liver and kidneys.

First Aid Procedures - Skin:

Wash affected areas with soap and water. Remove and launder contaminated clothing before reuse. If irritation develops, get medical attention.

First Aid Procedures - Eyes:

Immediately rinse eyes with running water for 15 minutes. If

SECTION 5 - HEALTH EFFECTS (cont)

irritation develops, get medical attention.

First Aid Procedures - Ingestion:

If swallowed, dilute with water and immediately induce vomiting.
Never give fluids or induce vomiting if the victim is unconscious or having convulsions. Get immediate medical attention.

First Aid Procedures - Inhalation:

Move to fresh air. Aid in breathing, if necessary, and get immediate medical attention.

First Aid Procedures - Notes to Physicians:

None known.

First Aid Procedures - Aggravated Medical Conditions:

No data is available which addresses medical conditions that are generally recognized as being aggravated by exposure to this product. Please refer to Section 5 (Effects of Overexposure) for effects observed in animals.

First Aid Procedures - Special Precautions:

None

SECTION 6 - REACTIVITY DATA

Stability Data:

Stable; Excessive heat and ignition sources.

Incompatibility:

Strong oxidizing agents, acids, and bases.

Conditions/Hazards to Avoid:

No data available.

Hazardous Decomposition/Polymerization:

Hazardous Decomposition Products: HCN, CO and CO₂.

Corrosive Properties:

Not corrosive to metal.

Oxidizer Properties:

Not an oxidizer

SECTION 7 - PERSONAL PROTECTION

Clothing:

Gloves, coveralls, apron, boots as necessary to minimize contact.

Eyes:

Chemical goggles. Also wear a face shield if splashing hazard exists. Use side shield safety glasses when handling lab samples.

Respiration:

If vapors or mists are generated, wear a NIOSH/MSHA approved organic vapor/mist respirator. Use an air-supplied or self-contained breathing apparatus in emergency or non-routine, high exposure situations.

Ventilation:

Use local exhaust to control to recommended P.E.L.

Explosion Proofing:

None required.

Other Personal Protection Data:

Eyewash fountains and safety showers must be easily accessible.

SECTION 8 - SPILL-LEAK/ENVIRONMENTAL

General:

Spills should be contained, solidified, and placed in suitable containers for disposal. This material is not regulated under RCRA. There is a one lb statutory RQ assigned for this material.

Waste Disposal:

Incinerate or bury in a licensed facility. Do not discharge into waterways or sewer systems without proper authority.

Container Disposal:

Dispose of in a licensed facility. Recommend crushing or other means to prevent unauthorized reuse.

Environmental Toxicity Test Data:

Inherent Biodegradability: Zahn-Wellens - > 70 PERCENT

Good Potential for Elimination

Fish Toxicity, LC0, 48 hr. - 1200 MG/L

No Mortality at Highest Conc. tested

Golden orfe, Static 48 hr LC50 - 500 MG/L

Practically Nontoxic

Rainbow Trout, static 96 hr LC50 - 500-1000 MG/L

Practically Nontoxic

Fish Toxicity, LC0, 48 hr. - 500-1000 MG/L

No Mortality at Highest Conc. tested

Chemical Oxygen Demand - 1960 MG O2/G

TEST RATING NOT FOUND

Biological Oxygen Demand, 5 day - 1110 MG O2/G

TEST RATING NOT FOUND

ISO 7827, Degradation Test (DOC) - 608 MG O2/G

TEST RATING NOT FOUND

Acute Algal Toxicity, 48 hr EC50 - > 500 MG/L

TEST RATING NOT FOUND

Algal, 96 hr EC50 - > 500 MG/L

TEST RATING NOT FOUND

SECTION 9 - STORAGE AND HANDLING

General:

Store materials to avoid sources of ignition and excessive heat.

SECTION 10 - REGULATORY INFORMATION

TSCA Inventory Status

Listed on Inventory: YES

RCRA Haz. Waste No.:

CERCLA: YES Reportable Qty.: (If YES) 5000 LBS

Hazard Ratings:

	Health:	Fire:	Reactivity:	Special:
HMIS	2	1	0	NA

This product is hazardous or contains components which are hazardous according to the OSHA Hazard Communication Standard.

SECTION 11 - TRANSPORTATION INFORMATION

DOT Proper Shipping Name:

REFER TO BASF BILL OF LADING

DOT Technical Name:

REFER TO BASF BILL OF LADING

DOT Primary Hazard Class:

REFER TO BASF BILL OF LADING

DOT Secondary Hazard Class:

REFER TO BASF BILL OF LADING

DOT Label Required:

REFER TO BASF BILL OF LADING

DOT Placard Required:

REFER TO BASF BILL OF LADING

DOT Poison Constituent:

REFER TO BASF BILL OF LADING

BASF Commodity Codes: NA NA **UN/NA Code:** **E/R Guide:**

Bill of Lading Description:

FOR THE MOST UP-TO-DATE D.O.T. SHIPPING DESCRIPTION, PLEASE REFER TO THE BASF BILL OF LADING!

"IMPORTANT: WHILE THE DESCRIPTIONS, DESIGNS, DATA AND INFORMATION CONTAINED HEREIN ARE PRESENTED IN GOOD FAITH AND BELIEVED TO BE ACCURATE, IT IS PROVIDED FOR YOUR GUIDANCE ONLY. BECAUSE MANY FACTORS MAY AFFECT PROCESSING OR APPLICATION/USE, WE RECOMMEND THAT YOU MAKE TESTS TO DETERMINE THE SUITABILITY OF A PRODUCT FOR YOUR PARTICULAR PURPOSE PRIOR TO USE. NO WARRANTIES OF ANY KIND, EITHER EXPRESS OR IMPLIED, INCLUDING WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE, ARE MADE REGARDING PRODUCTS DESCRIBED OR DESIGNS, DATA OR INFORMATION SET FORTH, OR THAT THE PRODUCTS, DESIGNS, DATA OR INFORMATION MAY BE USED WITHOUT INFRINGING THE INTELLECTUAL

END OF DATA SHEET

HERCULES OFFSHORE CO.

INVOICE NO. 3472

MARINE REPAIR

MAINE OPERATIONS FACILITY

ORDER No. 7-5109

CUSTOMER P.O. _____

DATE	ORDER WRITTEN	7/3/96	7/5/96 8:00am
	ARRIVAL		
	COMPLETION DATE		
	DEPARTURE DATE		
M/V <input type="checkbox"/> BARGE <input checked="" type="checkbox"/> <u>ETT 114</u>			
NAME			
LOA		WIDTH	
FOREMAN			
LAST PRODUCT			
GAS FREEING YES <input type="checkbox"/> NO <input type="checkbox"/>		CERTIFICATE REQUIRED YES <input type="checkbox"/> NO <input type="checkbox"/>	
HAUL OUT FOR INSPECTION AND REPAIR YES <input type="checkbox"/> NO <input type="checkbox"/>			
ON WAYS		DATE: _____	
ON WAYS		DATE: _____	

CUSTOMER	NAME	<u>BASF</u>	
	BILLING ADDRESS	<u>607 Copper Road</u>	
	CITY AND STATE	<u>Freeport, TX 77541</u>	
	PHONE NUMBER	<u>409-238-6161</u>	
WORK AUTHORIZED BY		CITY AUTHORIZED BY	
<u>R. Peters</u>			
STOCK MATERIAL <input checked="" type="checkbox"/> YES <input type="checkbox"/> NO			
IF YES, COMPLETE STOCK MATERIAL TRANSFER TICKET			
OUTSIDE SERVICES <input type="checkbox"/> YES <input type="checkbox"/> NO			
IF YES, LIST			

ITEM NUMBERS

- 1 cold water wash
- 2 hot water wash
- 3 strip and blow dry
- 4
- 5
- 6
- 7
- 8
- 9
- 10

THIS SHALL SERVE AS YOUR AUTHORIZATION TO PROCEED WITH THE ABOVE.

Signed: _____ Date: _____

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